

A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLLUTION
MEANS INCLUDED IN A MOTOR VEHICLE EXHAUST LINE

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This system for assisting the regeneration of
depollution means (1) associated with oxidation catalyst-
forming means (2) implementing an OSC function,
constituting a supply of oxygen and integrated in an
10 exhaust line (3) of a motor vehicle diesel engine (4), in
which the engine is associated with common rail means (7)
for feeding its cylinders with fuel, is characterized in
that it comprises means (8) for analyzing the running
conditions (9) of the vehicle and for comparing them with
15 predetermined threshold values (10), to control the
engine in a first regeneration mode of operation with a
lean mixture (11) when running conditions are above the
threshold values, or in a second regeneration operating
mode implementing sequences in which engine operation
20 alternates between stages of rich mixture operation and
of lean mixture operation (12) when conditions are below
the threshold values.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made
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38.2, and/or 48.3.